FIG. 1(a)

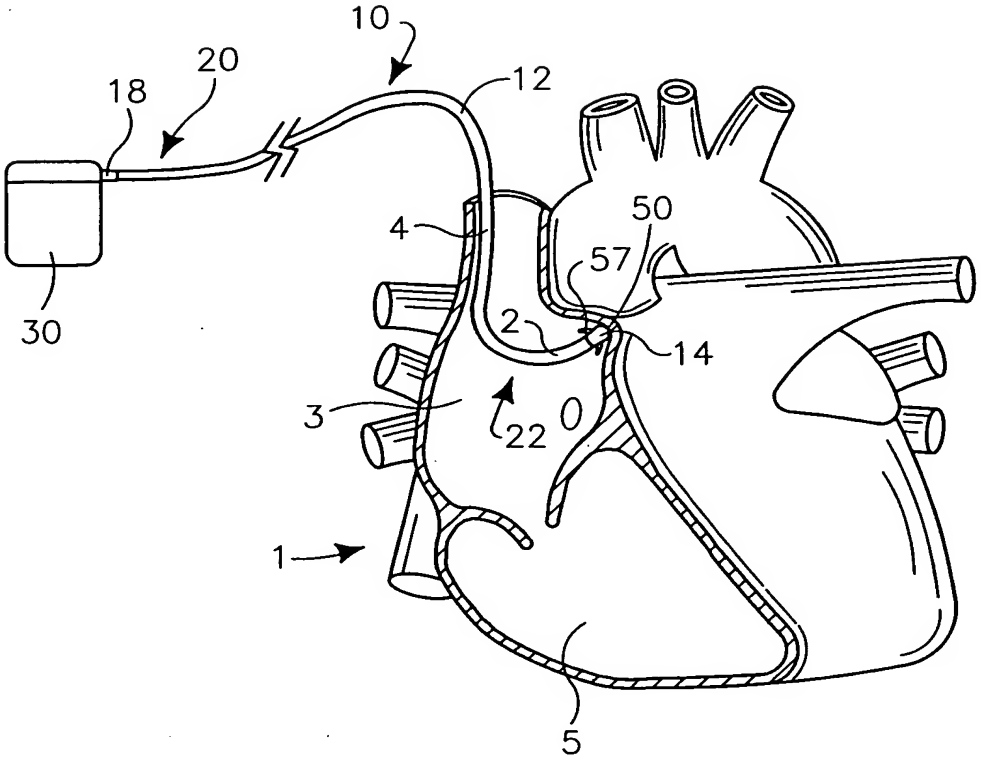
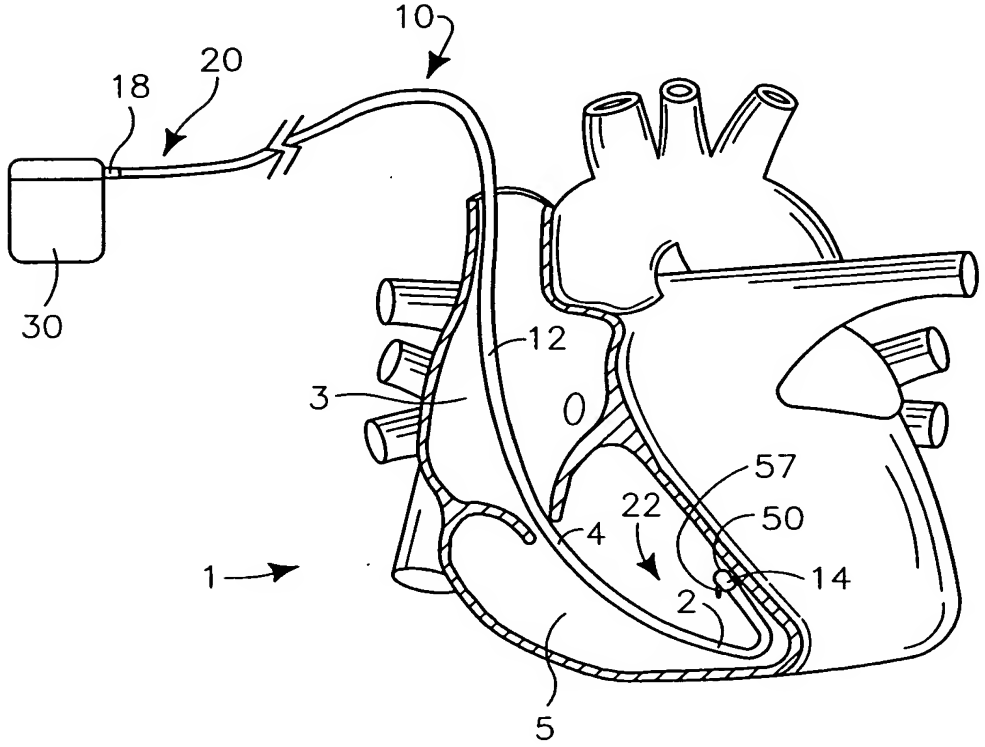



FIG. 1(b)



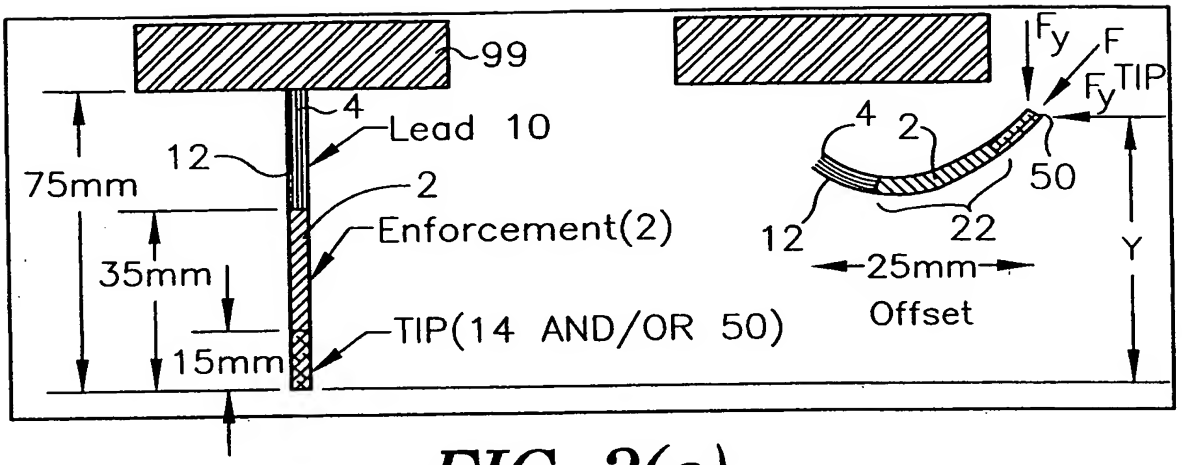

99
4
Lead 10
12
2
Enforcement(2)
75mm
35mm
15mm
TIP(14 AND/OR 50)
Fy
F
FyTIP
4
2
50
12
22
25mm
Offset
Y

*FIG. 2(a)*

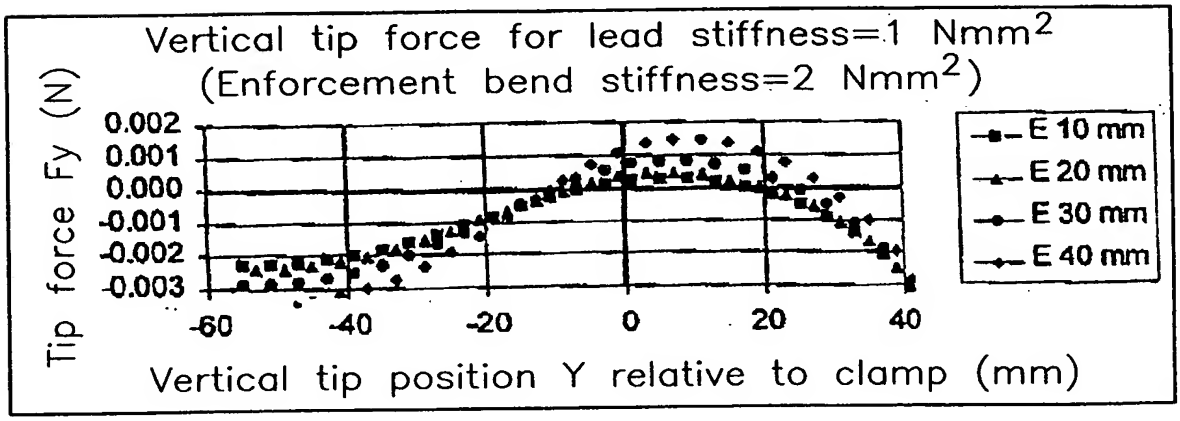
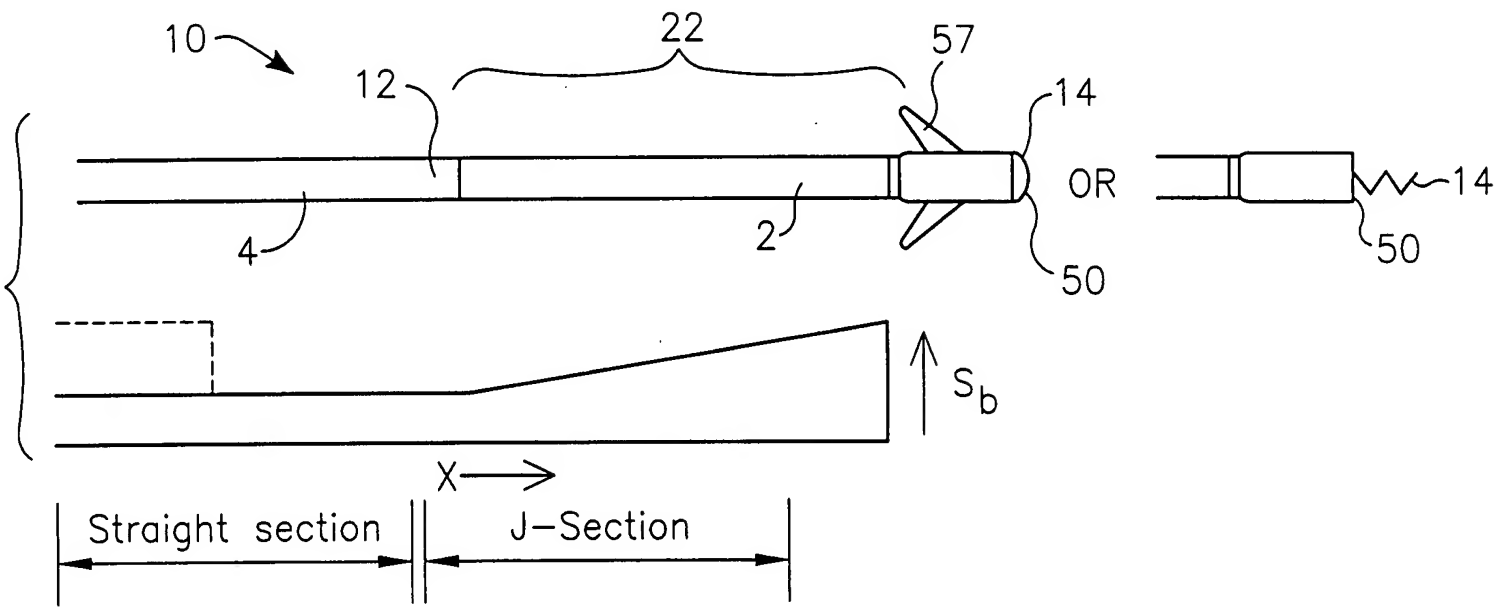

Vertical tip force for lead stiffness=1 Nmm2
(Enforcement bend stiffness=2 Nmm2)
Tip force Fy (N)
0.002
0.001
0.000
-0.001
-0.002
-0.003
-60
-40
-20
0
20
40
Vertical tip position Y relative to clamp (mm)
E 10 mm
E 20 mm
E 30 mm
E 40 mm

*FIG. 2(b)*

FIG. 3(a)



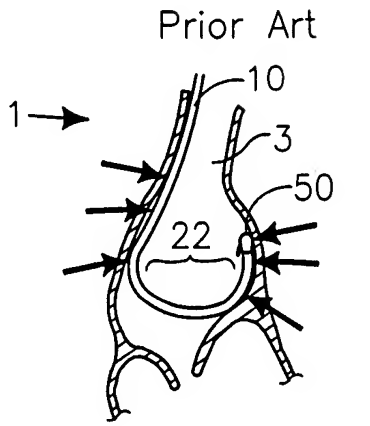




FIG. 3(b)

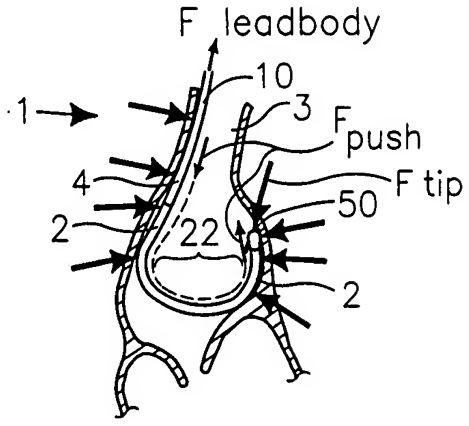



FIG. 3(c)

FIG. 4(a)

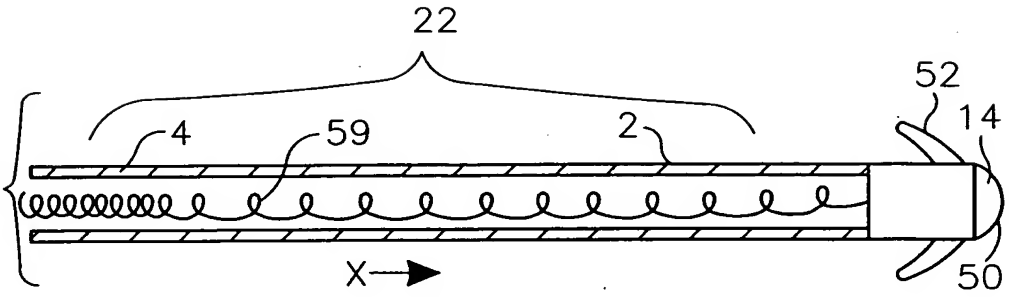



FIG. 4(b)

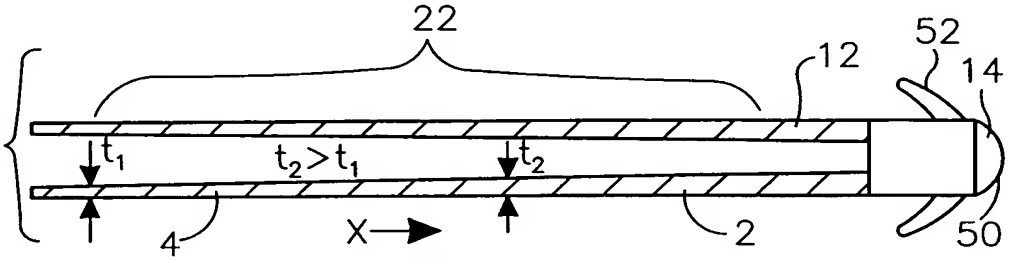



FIG. 4(c)

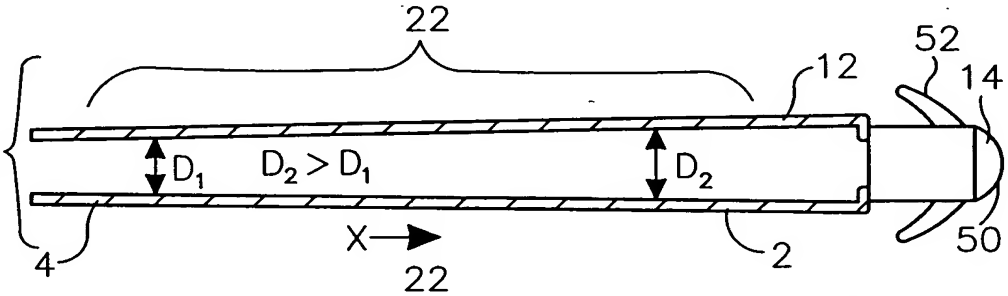



FIG. 4(d)

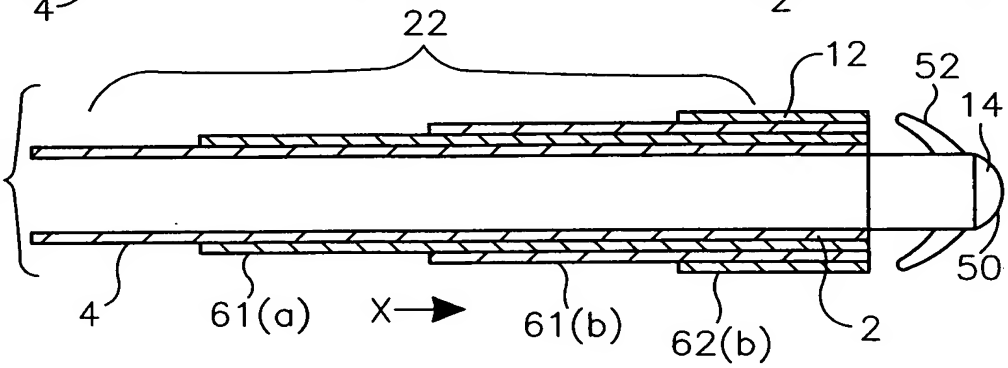
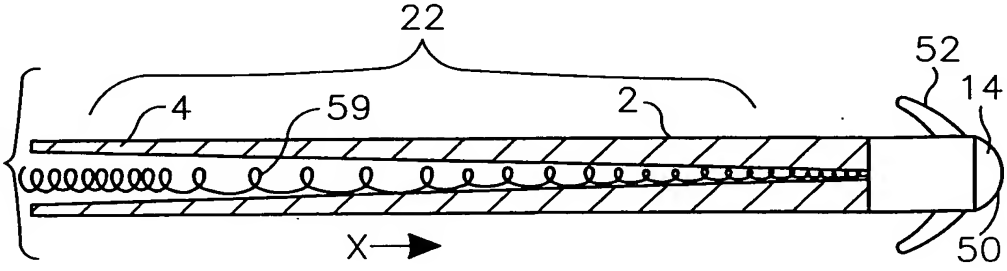



FIG. 4(e)



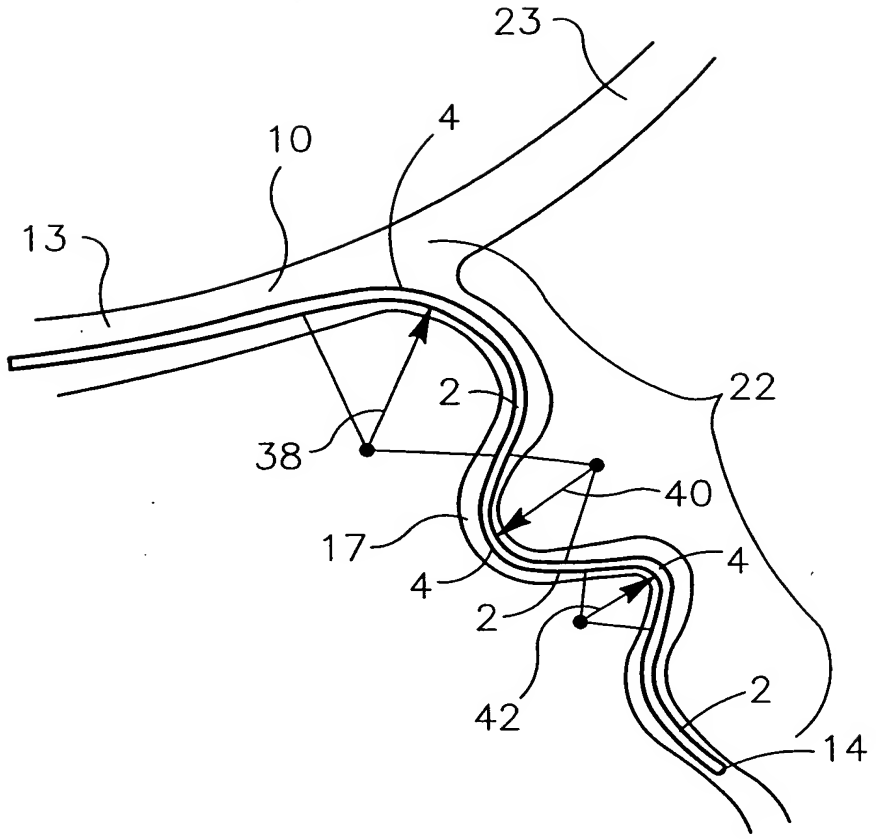



*FIG. 5*

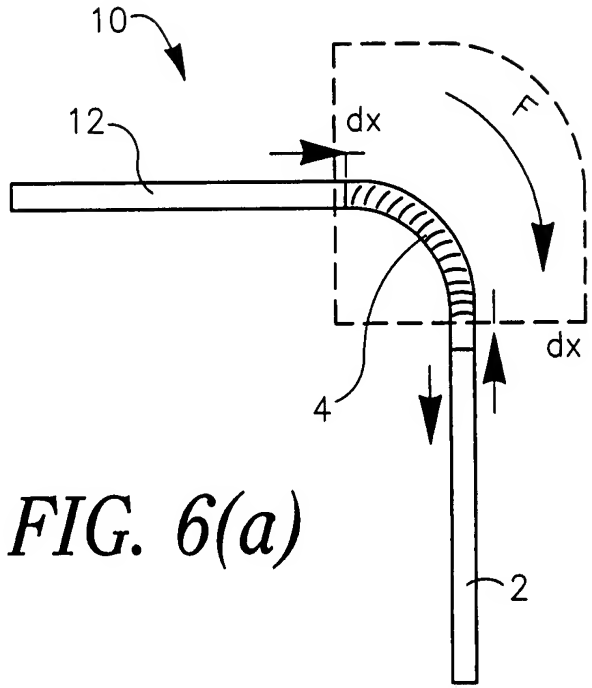



FIG. 6(a)

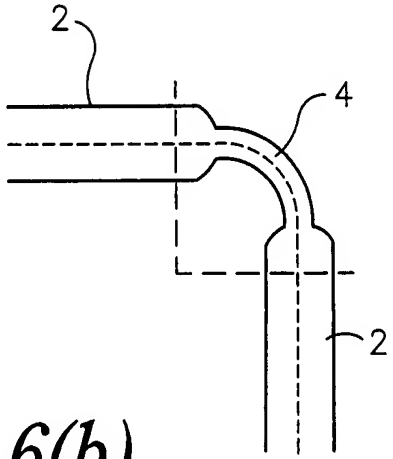



FIG. 6(b)

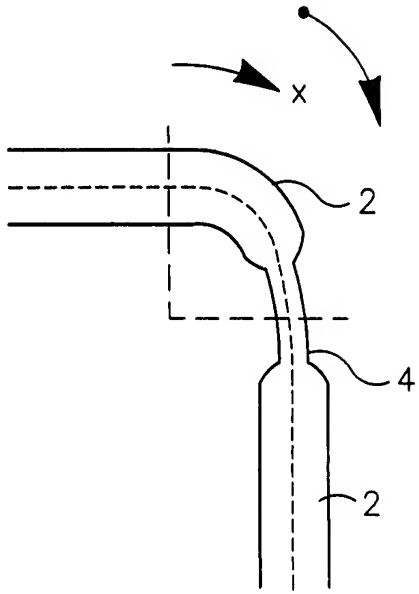



FIG. 6(c)

FIG. 7(a)

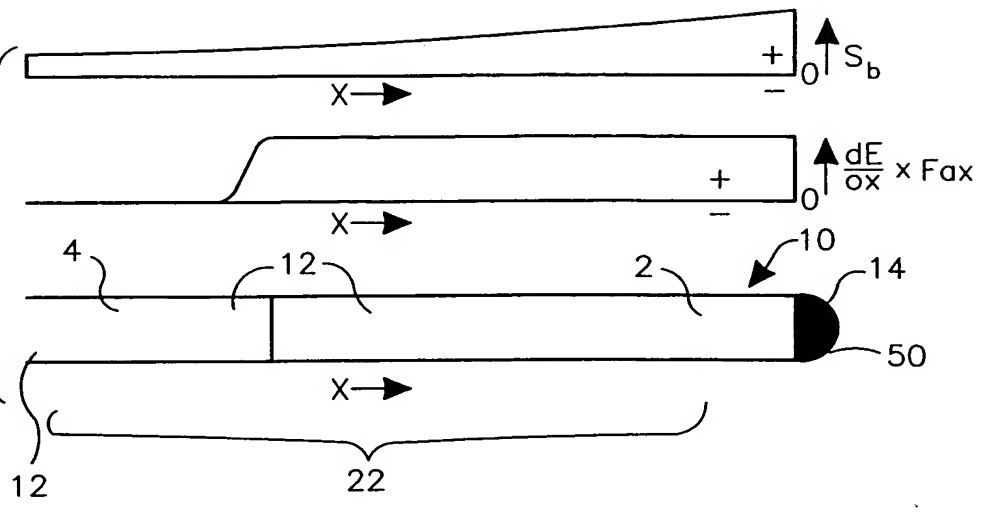



FIG. 7(b)

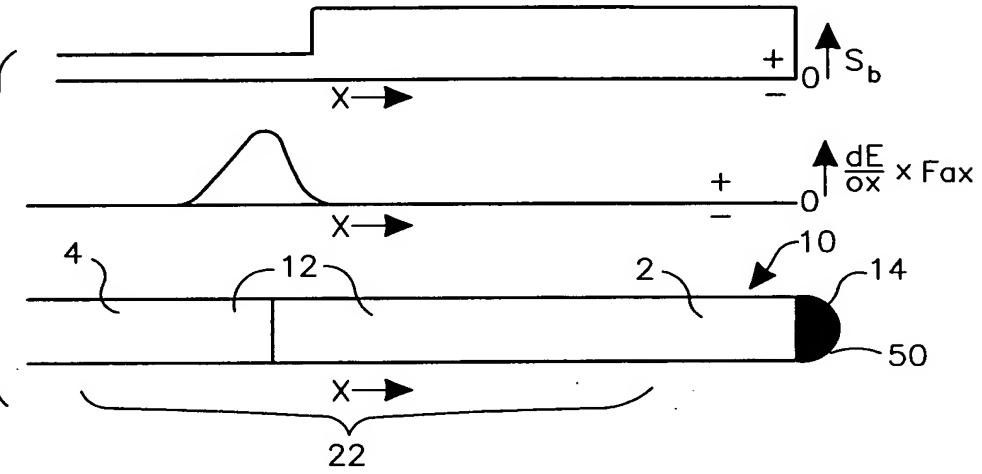
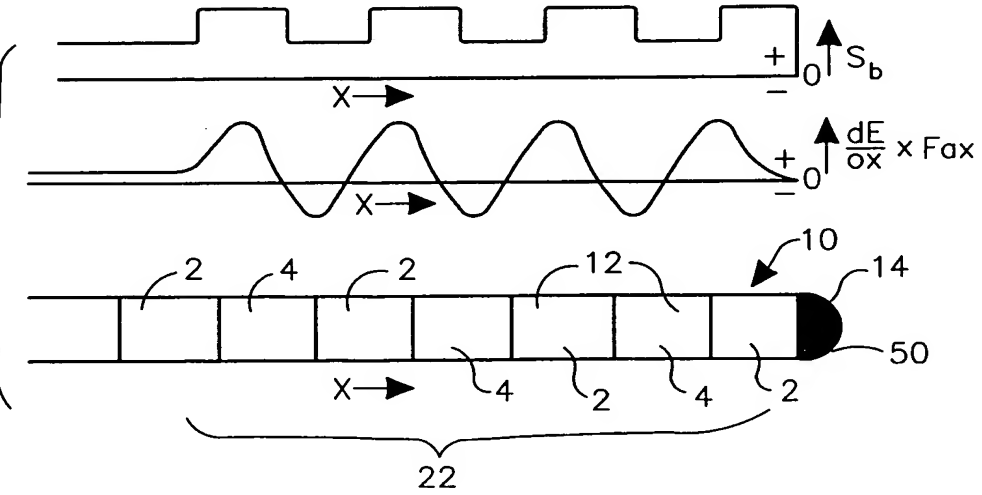



FIG. 7(c)



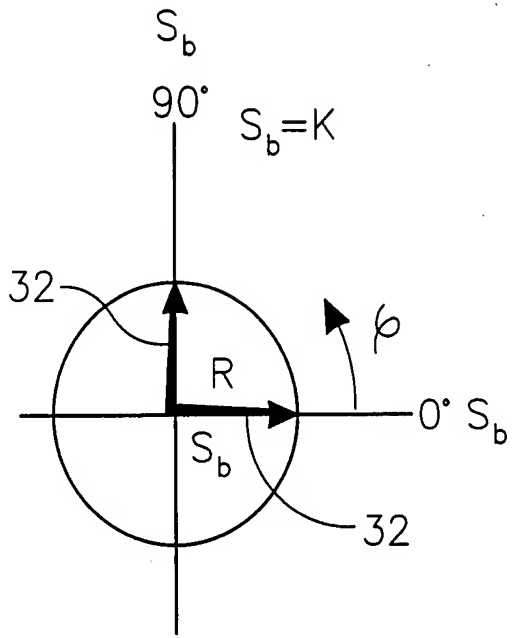



FIG. 8(a)

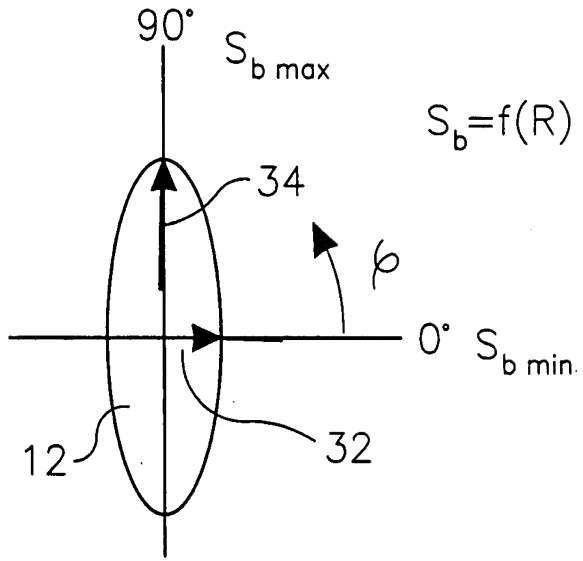



FIG. 8(b)

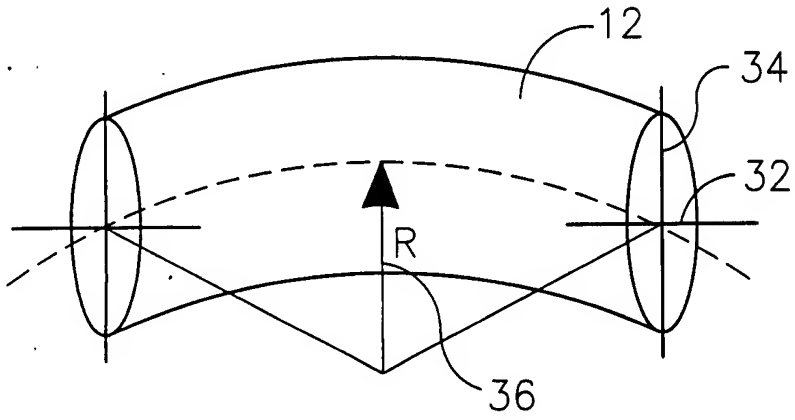



FIG. 9(a)

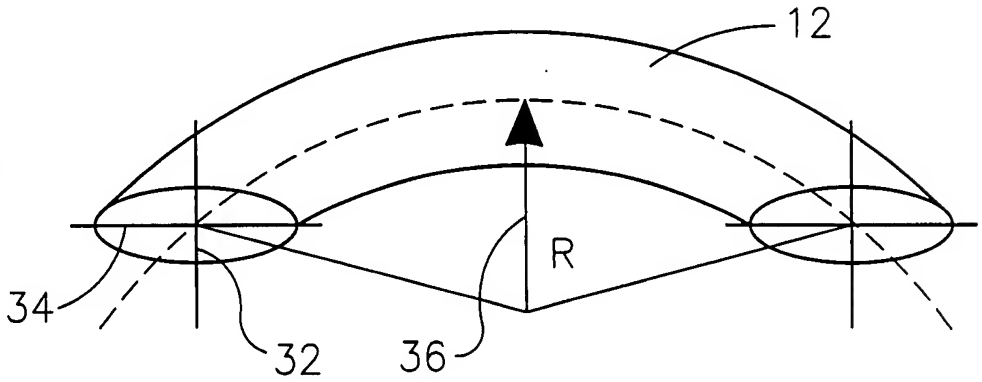



FIG. 9(b)

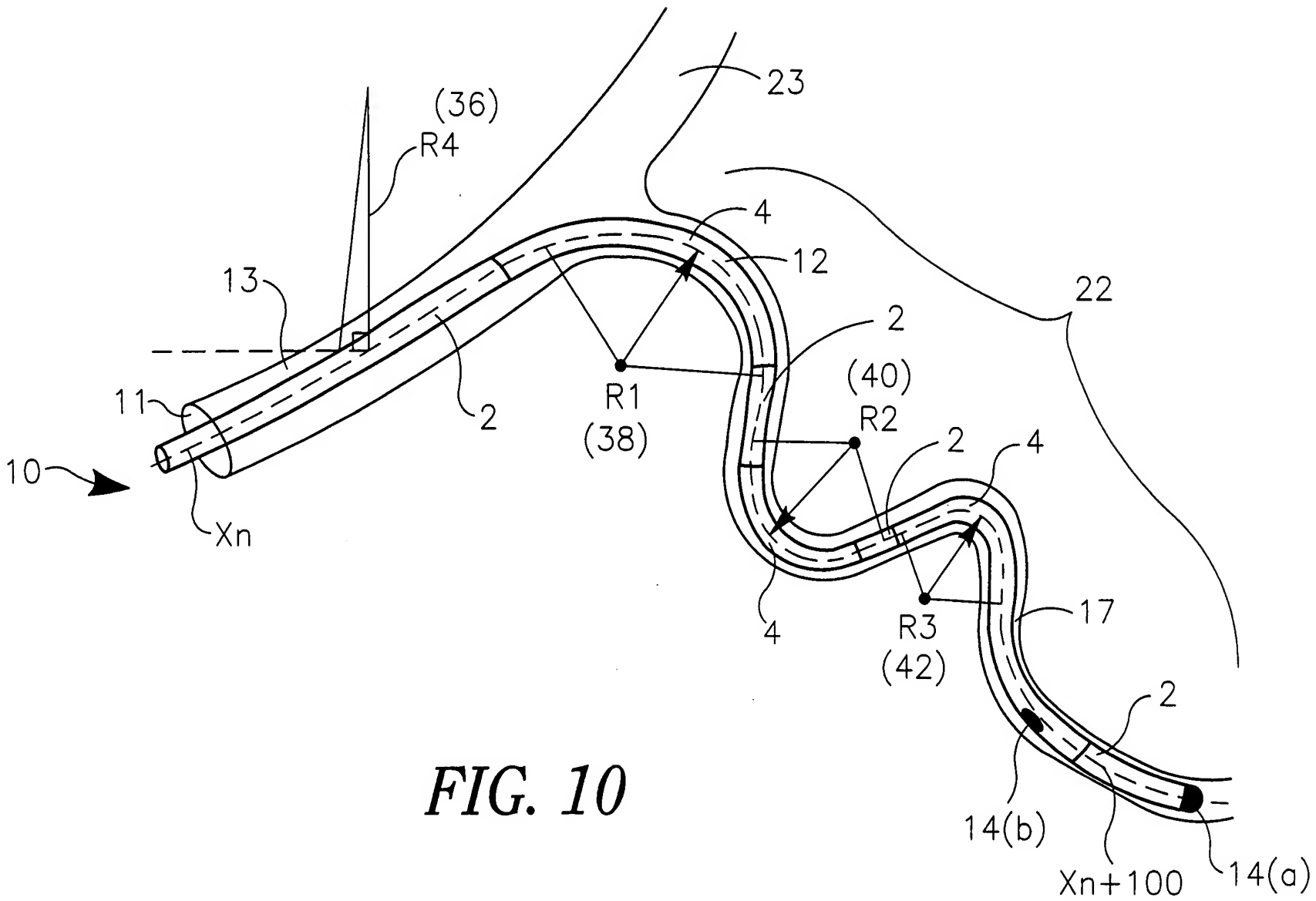



*FIG. 10*

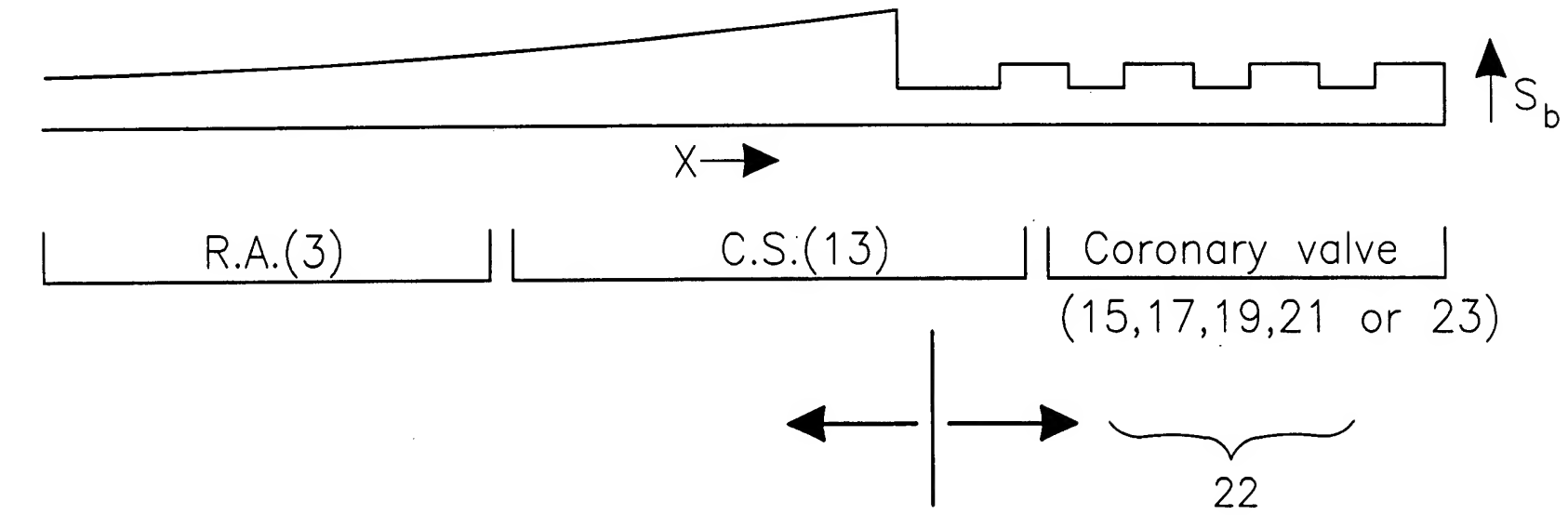

$S_b$
X
R.A.(3)
C.S.(13)
Coronary valve
(15,17,19,21 or 23)
22
For material bending here,
90° stuff in desired direction
1
3
10
22
23,21,15,17,19
$F_{push}$
C.V.
R.A.
C.S.
13
11

*FIG. 11*

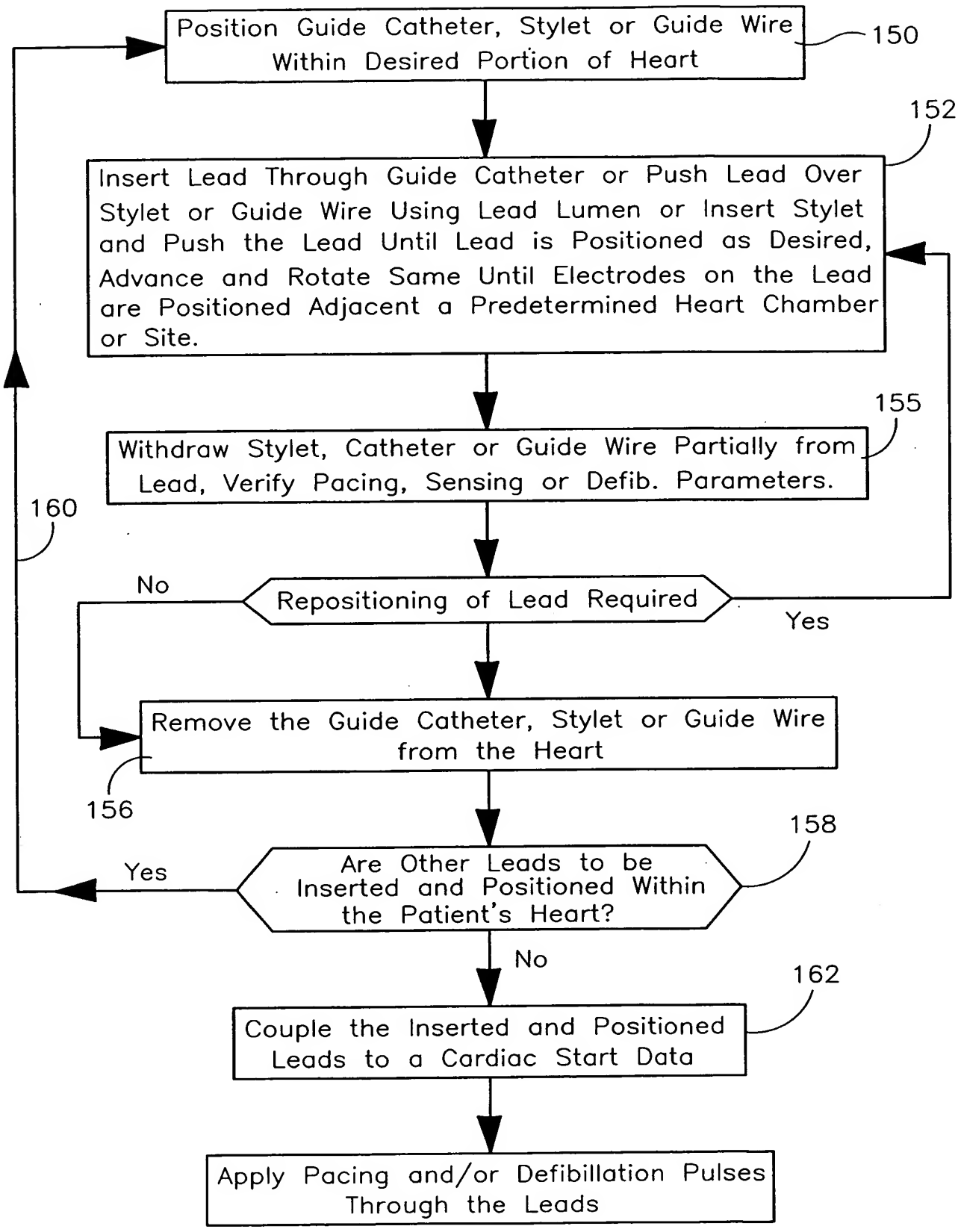

Position Guide Catheter, Stylet or Guide Wire Within Desired Portion of Heart
150
152
Insert Lead Through Guide Catheter or Push Lead Over Stylet or Guide Wire Using Lead Lumen or Insert Stylet and Push the Lead Until Lead is Positioned as Desired, Advance and Rotate Same Until Electrodes on the Lead are Positioned Adjacent a Predetermined Heart Chamber or Site.
155
Withdraw Stylet, Catheter or Guide Wire Partially from Lead, Verify Pacing, Sensing or Defib. Parameters.
160
No
Repositioning of Lead Required
Yes
Remove the Guide Catheter, Stylet or Guide Wire from the Heart
156
158
Yes
Are Other Leads to be Inserted and Positioned Within the Patient's Heart?
No
162
Couple the Inserted and Positioned Leads to a Cardiac Start Data
Apply Pacing and/or Defibillation Pulses Through the Leads

*FIG. 12*